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CLAIMS

We claim:

1. A compound of Formula (I):

$$R^4$$
 R^1
 R^2
 R^5
 $(OR^{3a})_n$
 $(OR^3)_n$

wherein:

R1 is -H or C1-C6 alkyl;

 R^2 is the group defined by $-(Q)_{q-}(Q^1)_{r-}(Q^2)$,

wherein:

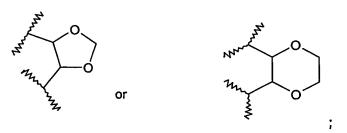
Q is CH2 and q is 0, 1, 2, 3, or 4;

 Q^1 is O, NH, or C(H)(R') where R' is -OH; and r is O or 1, and

 Q^2 is -H, $C_{1-}C_{6}$ alkyl, aryl, heterocyclic, $C_{3-}C_{7}$ cycloalkyl, $-C(0)OR^b$, NR^bR^b , or heteroaryl; where Q^2 is optionally substituted with at least one R^a group;

 R^3 and R^{3a} are independently selected from –H, $C_1\text{--}C_6$ alkyl, or $C_1\text{--}C_6$ hydroxyalkyl, m is 0 or 1, and n is 0 or 1, or

m is 1 and n is 1 and R^3 and R^{3a} together with the atoms to which they are attached form the optionally substituted fused ring



R⁴ is -OH, -NHS(O)₂R^c, or -N(R^b)R; R⁵ is -H or halo; R is -H, aryl, -OR^b;

 $R^a \text{ is independently selected from C_1-C_6 alkyl, halo, aryl, $-C(O)OR^b$, $-C(O)R^d$, $-OH$, $-NR^bR^b$, $-N(H)C(O)OR^b$, $-N(H)C(O)N(H)R^e$, $-N(H)S(O)_2R^c$, $-N(H)S(O)_2NR^bR^b$, C_1-C_6 alkoxy, C_1-C_6 haloalkyl, $-NO_2$, $-CN$, $-SF_5$, $=O$, $-S(O)_2NR^bR^b$, or aryloxy;}$

 R^b is -H, C_1 - C_6 alkyl, or C_2 - C_4 alkenyl; R^c is aryl or C_1 - C_6 alkyl; R^d is C_1 - C_6 alkyl, aryl, NR^bR^b , or $N(H)(CH_2)_sNR^bR^b$, R^e is -H, aryl or C_1 - C_6 alkyl; S_1 is 1, 2, 3, or 4; or a pharmaceutically acceptable salt or solvate thereof.

- 2. A compound as claimed in claim 1, selected from the group consisting of: 2-(3-tert-butoxycarbonylamino-propylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(3-amino-propylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-[2-(4-tert-but oxy carbonyl-piperazin-1-yl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid;

2-(4-tert-butoxycarbonylamino-butyl amino)-7-methoxy-quinoline-3-carboxylic acid;

2-(2-tert-butoxycarbonylamino-ethyl

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amino)-7-methoxy-quinoline-3-carboxylic acid;
2-(3-dimethylamino-propylamino)-7-methoxy-quinoline-3-carboxylic acid:
2-(2-dimethylamino-ethylamino)-7-methoxy-quinoline-3-carboxylic acid;
2-(2-amino-ethylamino)-7-methoxy-quinoline-3-carboxylic acid:
2-(4-amino-butylamino)-7-methoxy-quinoline-3-carboxylic acid;
2-benzylamino-7-methoxy-quinoline-3-carboxylic acid:
7-methoxy-2-phenethylamino-quinoline-3-carboxylic acid:
7-methoxy-2-(2-pyridin-4-yl-ethylamino)-quinoline-3-carboxylic acid;
2-(2-dimethylamino-ethylamino)-7-methoxy-quinoline-3-carboxylic acid;
2-(indan-2-ylamino)-7-methoxy-quinoline-3-carboxylic acid:
7-methoxy-2-(3-morpholin-4-yl-propylamino)-quinoline-3-carboxylic acid;
2-(3-diethylamino-propylamino)-7-methoxy-quinoline-3-carboxylic acid:
7-methoxy-2-[3-(2-oxo-pyrrolidin-1-
yl)-propylamino]-quinoline-3-carboxylic acid;
2-(4-tert-butyl-benzylamino)-7-methoxy-quinoline-3-carboxylic acid:
7-methoxy-2-[2-(2-oxo-imidazolidin-1-yl)-ethylamino]-quinoline-3-carboxylic acid;
2-(4-dimethylamino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid;
7-methoxy-2-(2-morpholin-4-yl-ethylamino)-quinoline-3-carboxylic acid;
7-methoxy-2-[2-(4-phenoxy-phenyl)-ethylamino]-quinoline-3-carboxylic acid;
2-cyclohexylamino-7-methoxy-quinoline-3-carboxylic acid;
7-methoxy-2-[(tetrahydro-furan-2-ylmethyl)-amino]-quinoline-3-carboxylic acid;
2-(2-hydroxy-ethylamino)-7-methoxy-quinoline-3-carboxylic acid;
2-(2-hydroxy-2-phenyl-ethylamino)-7-methoxy-quinoline-3-carboxylic acid;
2-[2-(3-bromo-4-methoxy-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic
acid;
7-methoxy-2-(4-methyl-benzylamino)-quinoline-3-carboxylic acid:
7-methoxy-2-(2-pyridin-3-yl-ethylamino)-quinoline-3-carboxylic acid;
2-[2-(3,4-dimethoxy-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid;
2-benzylamino-7-methoxy-quinoline-3-carboxylic acid;
7-methoxy-2-(3-morpholin-4-yl-propylamino)-quinoline-3-carboxylic acid; and
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7-methoxy-2-piperidin-1-yl-quinoline-3-carboxylic acid;

7-methoxy-2-(3-pentafluorosulfanyl-phenylamino)-quinoline-3-carboxylic acid;

7-methoxy-2-(5,6,7,8-tetrahydro-naphthalen-1-ylamino)-quinoline-3-carboxylic acid;

7-methoxy-2-(naphthalen-1-ylamino)-quinoline-3-carboxylic acid;

- 2-[4-(2-diethylamino-ethylcarbamoyl)-phenylamino]-7-methoxy-quinoline-3-carboxylic acid;
- 2-(3-tert-butoxycarbonylamino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(4-tert-butoxycarbonylamino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid:
- 2-(4-amino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(2,4,6-trimethoxy-benzylamino)-quinoline-3-carboxylic acid;
- 7-methoxy-2-[3-(3-phenyl-ureido)-benzylamino]-quinoline-3-carboxylic acid;
- 7-methoxy-2-[4-(3-phenyl-ureido)-benzylamino]-quinoline-3-carboxylic acid;
- 7-methoxy-2-[4-(toluene-4-sulfonylamino)-benzylamino]-quinoline-3-carboxylic acid;
- 7-methoxy-2-(3-ureido-benzylamino)-quinoline-3-carboxylic acid;
- 2-(dimethylaminosulfonylamino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-[2-(4-methoxy-phenyl)-ethylamino]-quinoline-3-carboxylic acid;
- 7-methoxy-2-[2-(2-methoxy-phenyl)-ethylamino]-quinoline-3-carboxylic acid;
- 7-methoxy-2-(4-methoxy-benzylamino)-quinoline-3-carboxylic acid;
- 2-[(benzo[1,3]dioxol-5-ylmethyl)-amino]-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(3-trifluoromethyl-benzylamino)-quinoline-3-carboxylic acid;
- 7-methoxy-2-[2-(4-nitro-phenyl)-ethylamino]-quinoline-3-carboxylic acid;
- 2-(3-imidazol-1-yl-propylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(4-sulfamoyl-benzylamino)-quinoline-3-carboxylic acid;
- 7-methoxy-2-(3-methoxy-benzylamino)-quinoline-3-carboxylic acid;
- 2-(2-chloro-benzylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-[2-(3-fluoro-phenyl)-ethylamino]-
- 7-methoxy-quinoline-3-carboxylic acid;

2-[2-(4-amino-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid; 2-(3-amino-benzylamino)-7-methoxy-quinoline-3-carboxylic acid; 2-(2-benzo[1,3]dioxol-5-yl-ethylamino)-7-methoxy-quinoline-3-carboxylic acid; 7-methoxy-2-[2-(3-methoxy-phenyl)-ethylamino]-quinoline-3-carboxylic acid; 2-[2-(3-chloro-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid: 7-methoxy-2-[2-(4-sulfamoyl-phenyl)-ethylamino]-quinoline-3-carboxylic acid; 2-[2-(2-chloro-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid; 2-[2-(4-hydroxy-phenyl)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid; 2-(3-bromo-benzylamino)-7-methoxy-quinoline-3-carboxylic acid; 2-(3-chloro-benzylamino)-7-methoxy-quinoline-3-carboxylic acid; 7-methoxy-2-(2-piperazin-1-yl-ethylamino)-quinoline-3-carboxylic acid; 7-methoxy-2-[2-(1-methyl-pyrrolidin-2-yl)-ethylamino]-quinoline-3-carboxylic acid; 7-methoxy-2-piperidin-1-yl-quinoline-3-carboxylic acid; 2-(4-chloro-benzylamino)-7-methoxyquinoline-3-carboxylic acid; 2-(4-hydroxy-piperidin-1-yl)-7-methoxy-quinoline-3-carboxylic acid; 2-(tert-butoxycarbonylmethyl-amino) -7-methoxy-quinoline-3-carboxylic acid; 2-[2-(2-hydroxy-ethoxy)-ethylamino]-7-methoxy-quinoline-3-carboxylic acid; 7-methoxy-2-(3-methoxy-propylamino)-quinoline-3-carboxylic acid; 7-methoxy-2-(2-methoxy-ethylamino)-quinoline-3-carboxylic acid; 2-(3-hydroxy-propylamino)-7-methoxy-quinoline-3-carboxylic acid; 2-(2-carboxy-ethylamino)-7-methoxyquinoline-3-carboxylic acid; 7-methoxy-2-propylamino-quinoline-3-carboxylic acid; 2-(carboxymethyl-amino)-7-methoxy-quinoline-3-carboxylic acid; 3-(2-chloro-phenylamino)-6-methoxy-naphthalene-2-carboxylic acid; 2-(2-chloro-phenylamino)-7-methoxy-quinoline-3-carboxylic acid phenylamide; 2-(2-chloro-phenylamino)-7-hydroxy-quinoline-3-carboxylic acid phenylamide; 2-(2-chloro-phenylamino)-7-hydroxy-quinoline-3-carboxylic acid; 2-(2-chloro-phenylamino)-7-(2-hydroxy-ethoxy)-quinoline-3-carboxylic acid;

2-(3,4-dichlorophenylamino)-7-methoxy-quinoline-3-carboxylic acid;

- 2-(3-biphenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(phenylamino)-quinoline-3-carboxylic acid;
- 7-methoxy-2-(methyl-3-methylphenylamino)-quinoline-3-carboxylic acid;
- 2-(cyclohexylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(3-chlorophenylamino)-6,7-dimethoxy-quinoline-3-carboxylic acid;
- 2-(3-chlorophenylamino)-6,7-methylenedioxy-quinoline-3-carboxylic acid;
- 2-(3-chlorophenylamino)-7-hydroxy-quinoline-3-carboxylic acid;
- 8-bromo-2-(3-chlorophenylamino)-7-hydroxy-quinoline-3-carboxylic acid;
- 2-(3-chlorophenylamino)-7-methoxy-quinoline-3-carboxamide phenylsulphonamide;
- 2-(3-chlorophenylamino)-7-methoxy-quinoline-3-carboxamide 2-nitro-phenylsulphonamide;
- 2-(3-chlorophenylamino)-7-methoxy-quinoline-3-carboxamide methylsulphonamide;
- 8-bromo-2-(3-chlorophenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(3-acetophenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(2-benzophenone-yl-amino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(2-fluoro-5-methylphenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(2-cyanophenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(2-chloro-6-methylphenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(4-carboxybenzylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(3-chloro-6-methoxyphenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 2-(2-ethylphenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(4-nitrophenylamino)-quinoline-3-carboxylic acid;
- 2-(4-carboxamidophenylamino)-7-methoxy-quinoline-3-carboxylic acid;
- 7-methoxy-2-(4-hydroxyphenethylamino)- quinoline-3-carboxylic acid; and
- 7-methoxy-2-(piperidin-4-ol)- quinoline-3-carboxylic acid;

or a salt, solvate, or physiologically functional derivative thereof.

3. A compound as claimed in claim 1, selected from the group consisting of:

$$\begin{cases} \zeta_{\alpha} & \zeta_{\beta} & \zeta_$$

or a salt, solvate, or physiologically functional derivative thereof.

- 4. A pharmaceutical composition, comprising: a therapeutically effective amount of a compound as claimed in any one of claims 1 to 3, or a salt, solvate, or a physiologically functional derivative thereof and one or more of pharmaceutically acceptable carriers, diluents and excipients.
- 5. A method of treating a disorder in a mammal, said disorder being mediated by inappropriate YAK3 activity, comprising: administering to said mammal a therapeutically effective amount of a compound as claimed in any one of claims 1 to 3, or a salt, solvate, or a physiologically functional derivative thereof.
- 6. A compound as claimed in any of claims 1 to 3, or a salt, solvate, or a physiologically functional derivative thereof for use in therapy.

7. Use of a compound as claimed in any of claims 1 to 3, or a salt, solvate, or a physiologically functional derivative thereof in the preparation of a medicament for use in the treatment of a disorder mediated by inappropriate YAK3 activity.